

ABSTRACT OF THE DISCLOSURE

Provided are a shape memory polymer composition,
which comprises a bifunctional isocyanate and/or a
trifunctional isocyanate, and a polyol having an average
5 molecular weight of from 100 to 550, with a molar ratio in
terms of functional groups of isocyanate : polyol = 0.9 to
1.1 : 1.0; FRP having the shape memory polymer and a
fibrous material; and a production process of the FRP
comprising impregnating the fibrous material with, as a
10 matrix resin, the shape memory polymer composition and
curing. According to the present invention, the shape
memory polymer composition has an extended pot life and FRP
has excellent inflatability.